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>Title: **JP63230847A2: LOW-ALLOY STEEL FOR OIL WELL PIPE EXCELLENT IN CORROSION RESISTANCE**

Derwent Title: Corrosion resistant low alloy steel for oil well piping - contains carbon, silicon, manganese, aluminium, nitrogen and opt. chromium, molybdenum, niobium, vanadium, boron [\[Derwent Record\]](#)

Country: **JP** Japan
Kind: A DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ON]

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Published / Filed: **1988-09-27 / 1987-03-20**

Application Number: **JP1987000067023**

IPC Code: Advanced: [C22C 38/00](#); [C22C 38/06](#); [C22C 38/38](#);
Core: more...
IPC-7: [C22C 38/00](#); [C22C 38/06](#); [C22C 38/38](#);

Priority Number: **1987-03-20 JP1987000067023**

Abstract: PURPOSE: To develop a low-alloy steel excellent in strength and corrosion resistance, by minimizing the precipitation of AlN by reducing respective contents of N and Al in a low-alloy steel for oil well pipe to traces.

CONSTITUTION: A steel tube for use in oil fields and gas fields, such as oil well pipe, oil transport pipe, etc., is manufactured by using a low-alloy steel stock which has a composition containing, by weight, 0.15W0.45% C, 0.10W1.0% Si, 0.3W1.8% Mn, <0.010% sol. Al, <0.0020% N, and <0.0050% AlN or further containing one or more kinds among 0.05W2.00% Cr, 0.02W0.80% Mo, 0.005W0.20% Nb, 0.005W0.20% V, and 0.0001W0.0030% B. By the above composition, the quantity of the fine precipitates of AlN is minimized, and the low-alloy steel as an oil well pipe stock excellent in resistance to sulfide stress corrosion cracking in a high-strength region can be manufactured.

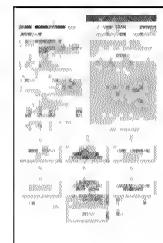
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PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US5117874	1992-06-02	Ochiai; Ikuo	The Furukawa Electric Co., Ltd.	Flexible fluid transport pipe having hydrogen-induced cracking resistant high-strength steel

Other Abstract Info: [DERABS C88-312366 DERC88-312366](#)



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